Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_

**Build a Boat and Hope It Floats**

*GOAL: Build a $3 boat capable of floating as many pennies as possible.*

Materials:

|  |  |  |
| --- | --- | --- |
| **Item** | **Quantity** | **Cost Per Item** |
| Half sheet of paper |  | $0.10 |
| Aluminum foil (same size as paper) |  | $0.20 |
| Paper clips |  | $0.25 |
| Rubber bands |  | $0.50 |
| Clear tape |  | $0.15 |
| Duct tape |  | $0.75 |
| TOTAL COST OF BOAT: | |  |

Number of Pennies Your Boat Supported: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What were your boat’s best features?

Describe some factors that prevented you from building a better boat.

How could you build a better boat now that you’ve tested yours and seen others tested?

Why do you think we did this activity? Answer in complete sentences.